

Claims

1. A molten metal pouring apparatus comprising a reservoir capable of holding a molten metal, a stirrer disposed in the reservoir, and a rotational drive mechanism drivingly connected to the stirrer.
2. A molten metal pouring apparatus as claimed in claim 1, including a handle attached to the reservoir.
3. A molten metal pouring apparatus as claimed in claim 1, wherein the reservoir includes a pouring spout from which molten metal can be poured into a mold.
4. A molten metal pouring apparatus as claimed in claim 1 wherein the rotational drive mechanism comprises an air motor.
5. A molten metal pouring apparatus as claimed in claim 1 including a gas supply line connected to an exhaust port of the air motor and communicating with the interior of the reservoir.
6. A molten metal pouring apparatus as claimed in claim 5 including an inactive gas supply connected to an inlet of the air motor.
7. A molten metal pouring apparatus as claimed in claim 1 wherein the reservoir includes a lid which can be selectively opened and closed.
8. A method of casting a solder product with dispersed metal particles comprising placing molten solder into a reservoir, adding high melting point metal particles to the molten solder, stirring the molten solder and the metal particles to uniformly disperse the metal particles in the molten solder, and then casting the

molten solder and metal particles directly from the reservoir into a mold.

9. A method as claimed in claim 8 including forming an inactive gas atmosphere within the reservoir above the molten solder.

10. A method as claimed in claim 9 including supplying an inactive gas to an inlet of an air motor drivingly connected to a stirrer disposed in the reservoir to stir the molten solder and metal particles, and supplying inactive gas discharged from an exhaust port of the air motor to the interior of the reservoir.